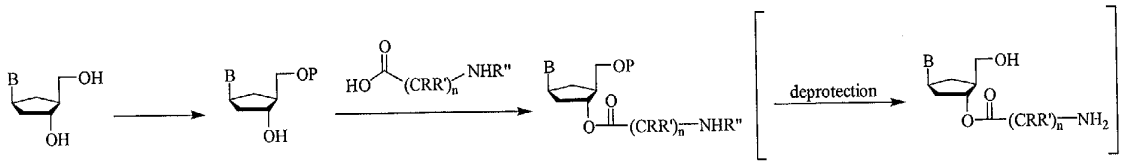

Figure 1a: Synthesis of 3'-valinyl esters of 2'-deoxy-β-L-cytidine

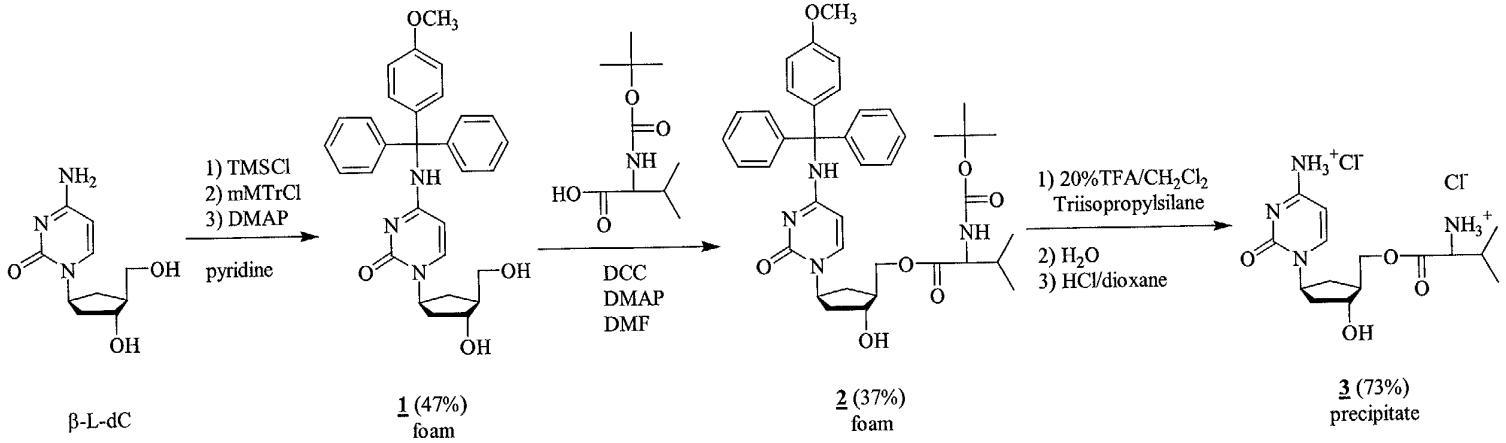

Figure 1b: Synthesis of 5'-valinyl esters of 2'-deoxy-β-L-cytidine

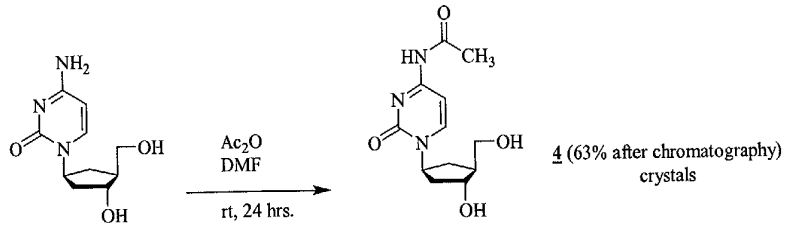

Figure 2: Synthesis of N^4-acetyl-2'-deoxy-β-L-cytidine

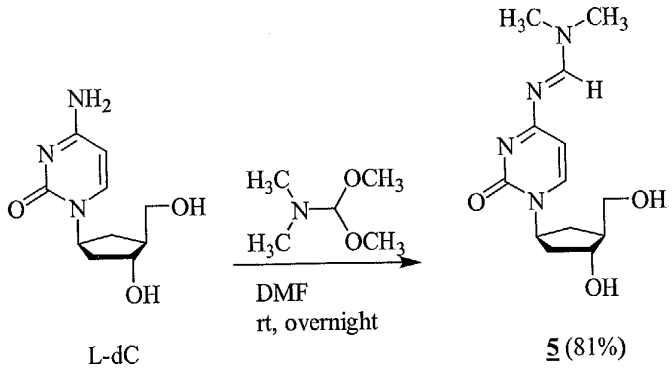

Figure 3: Synthesis of N^4-[(dimethylamino)methylene]-2'-deoxy-β-L-cytidine

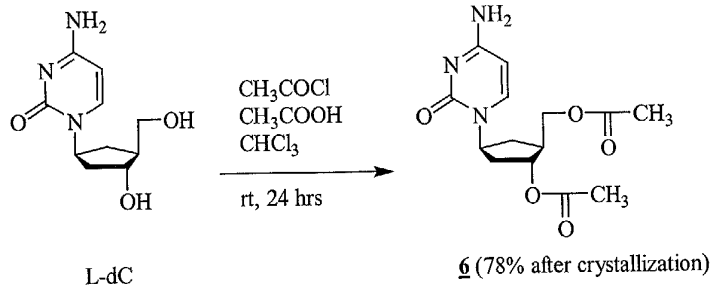

Figure 4: Synthesis of 3',5'-di-*O*-acetyl-2'-deoxy-β-L-cytidine

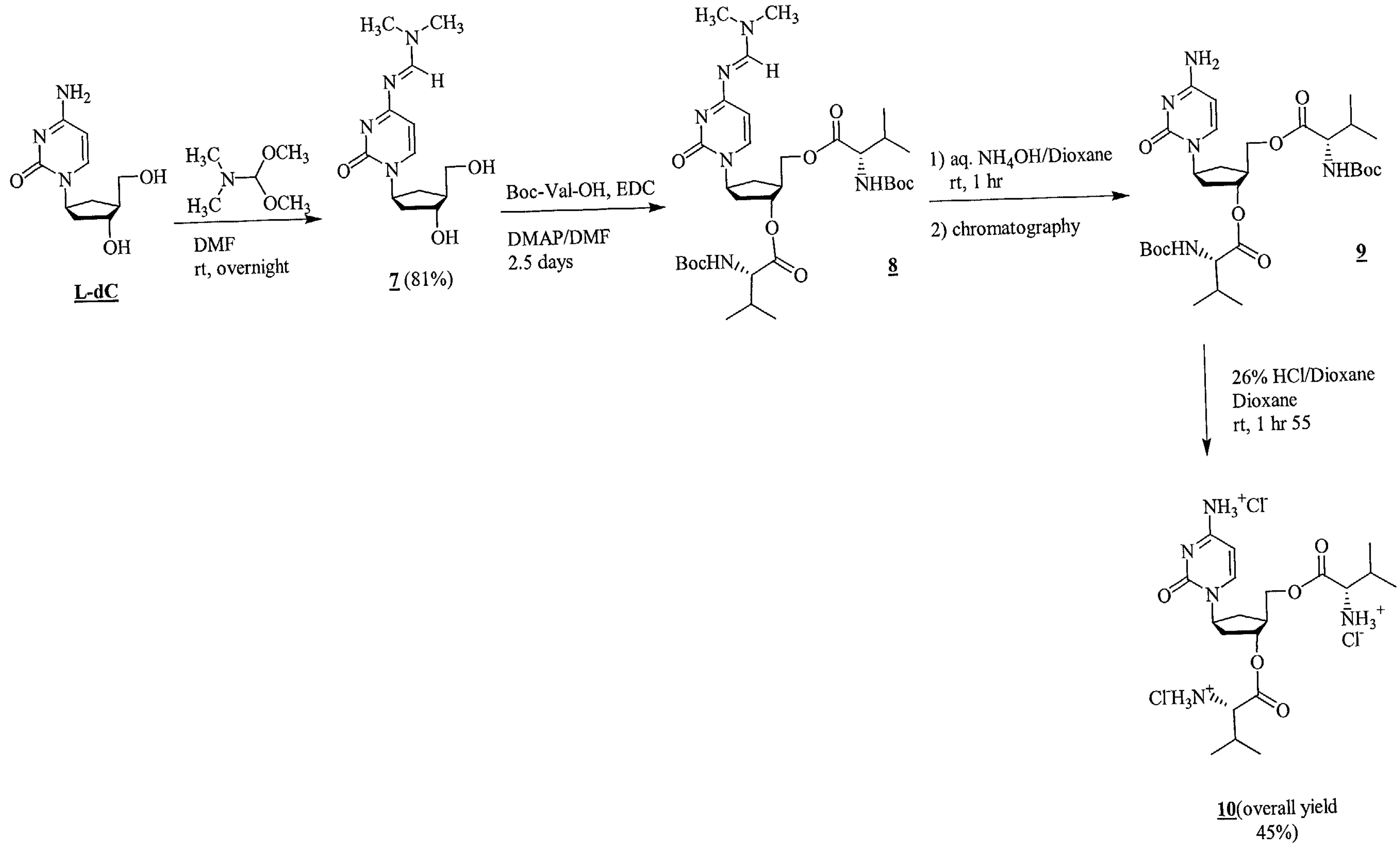

Figure 5: Synthesis of 3',5'-di-*O*-valinyl esters of 2'-deoxy β-L-cytidine

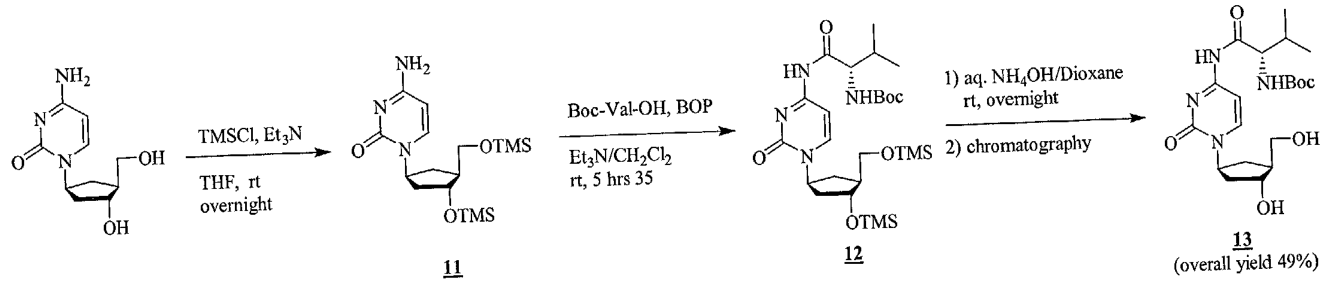

Figure 6: Synthesis of N^4-Boc-valinyl ester of 2'-deoxy-β-L-cytidine

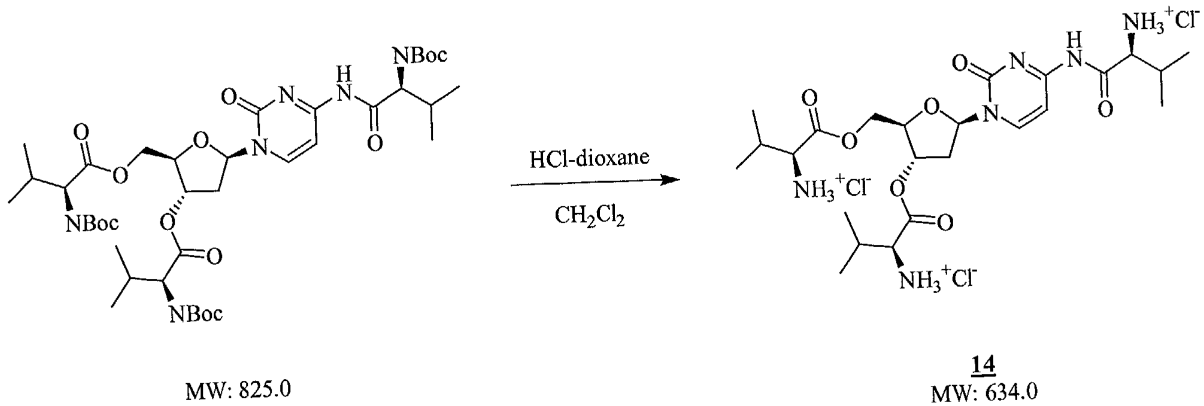

Figure 7: Synthesis of 3',5',N^4-tri-(L-valinyl)-L-2'-deoxycytidine

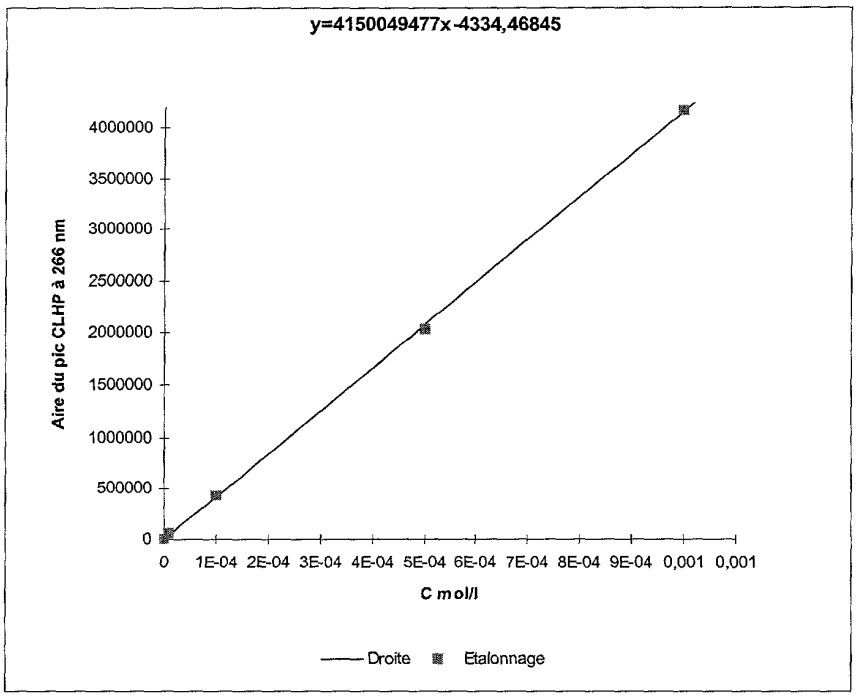

Figure 8a: Solubility Calibration Curve for D-dC

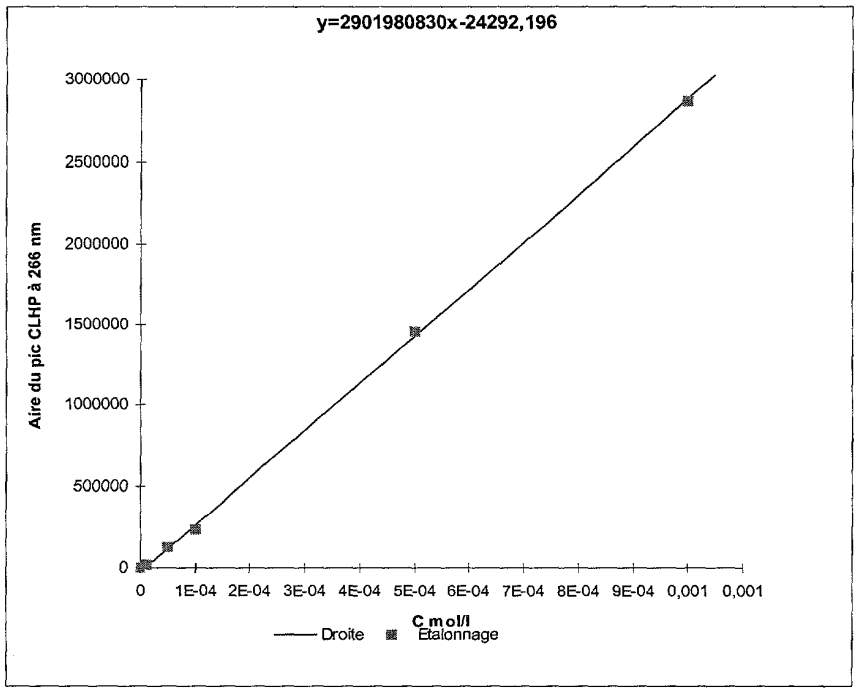

Figure 8b: Solubility Calibration Curve for the 3',5'-Divalinyl Ester of L-dC

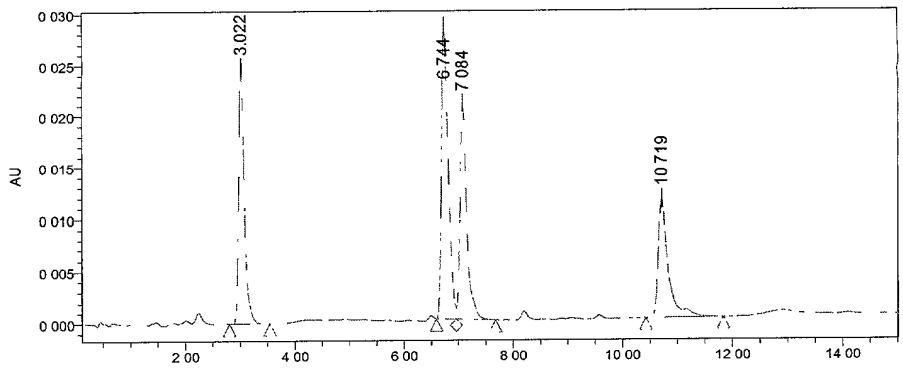

Figure 9a: HPLC profile – 7.5 hours at pH of 7.42

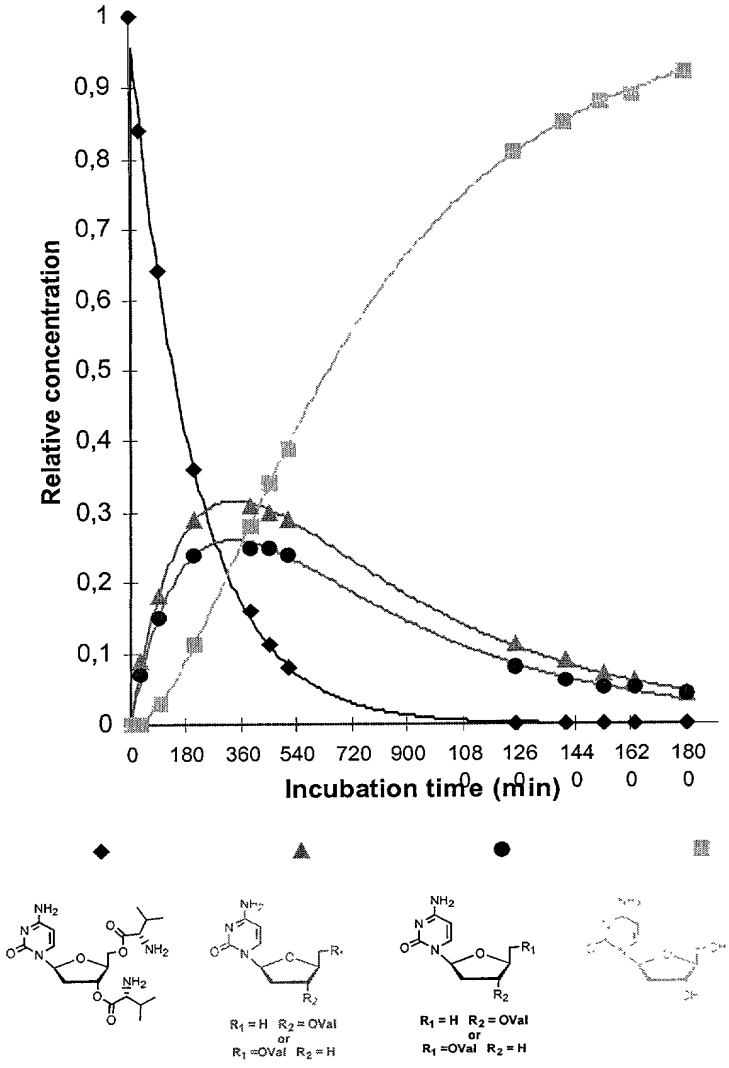

Figure 9b: Kinetics curves at pH of 7.42

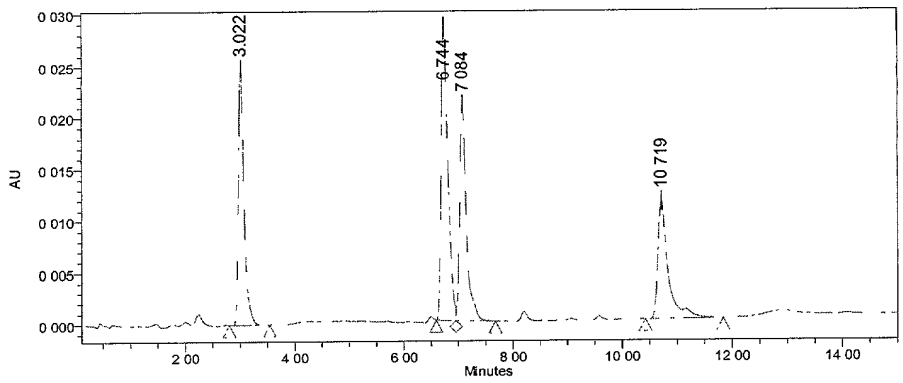

Figure 10a: HPLC profile – 5.33 hours at pH of 7.20

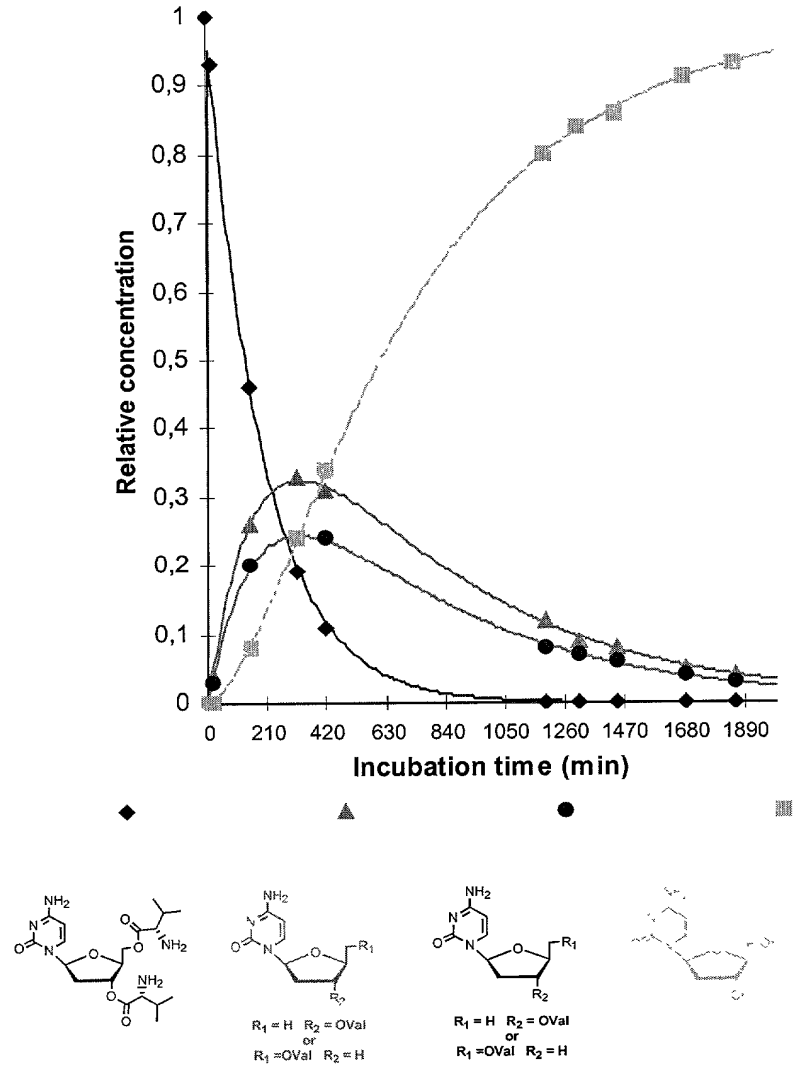

Figure 10b: Kinetics curves at pH of 7.20

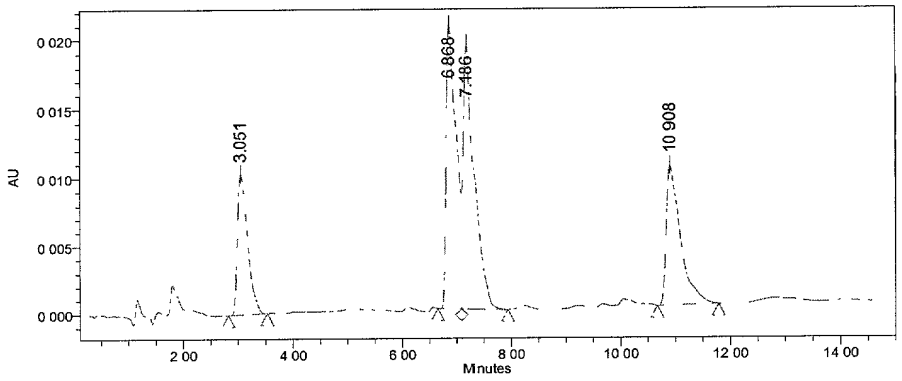

Figure 11a: HPLC profile – 95.7 hours at pH of 4.51

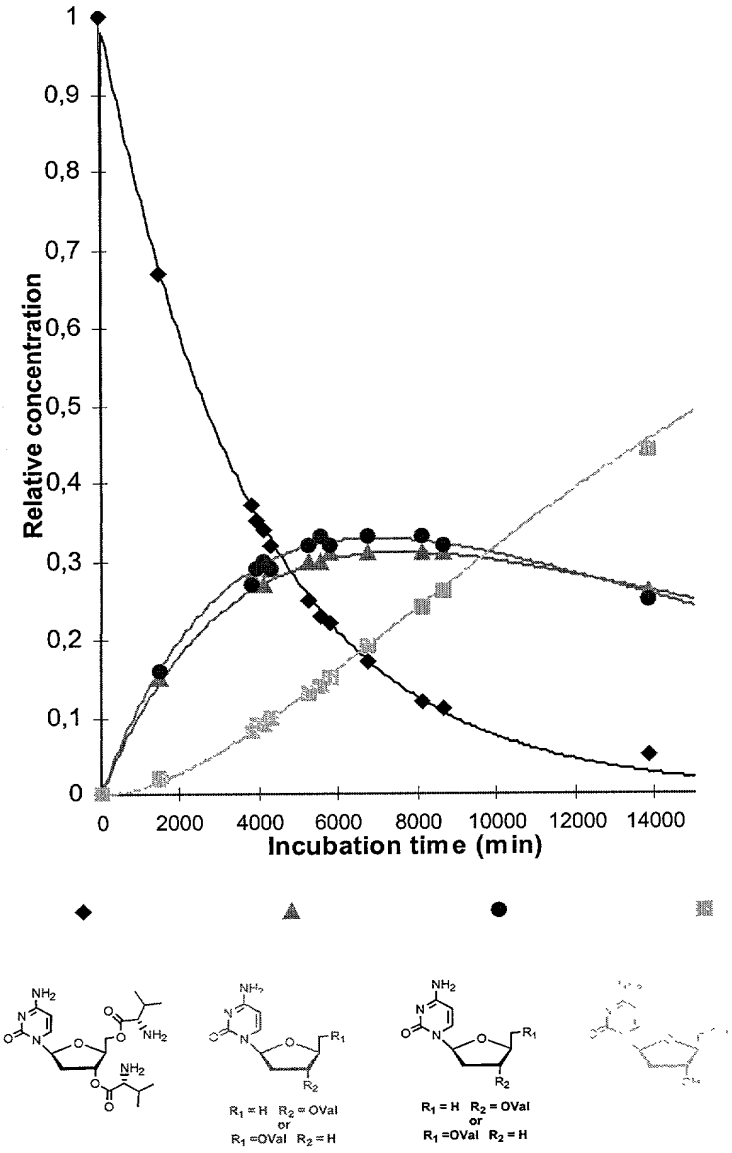

Figure 11b: Kinetics curves at pH of 4.51

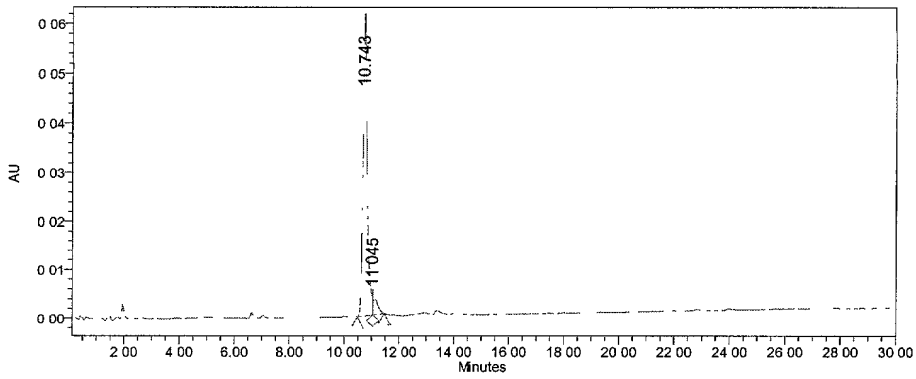

Figure 12: HPLC profile – 48 hours at pH of 1.23

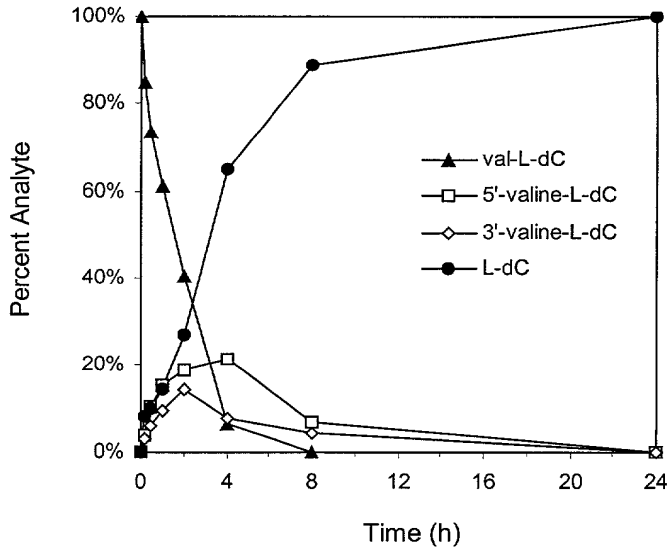

Figure 13 *In Vitro* Metabolism of 3',5'-Dival-L-dC in Human Plasma

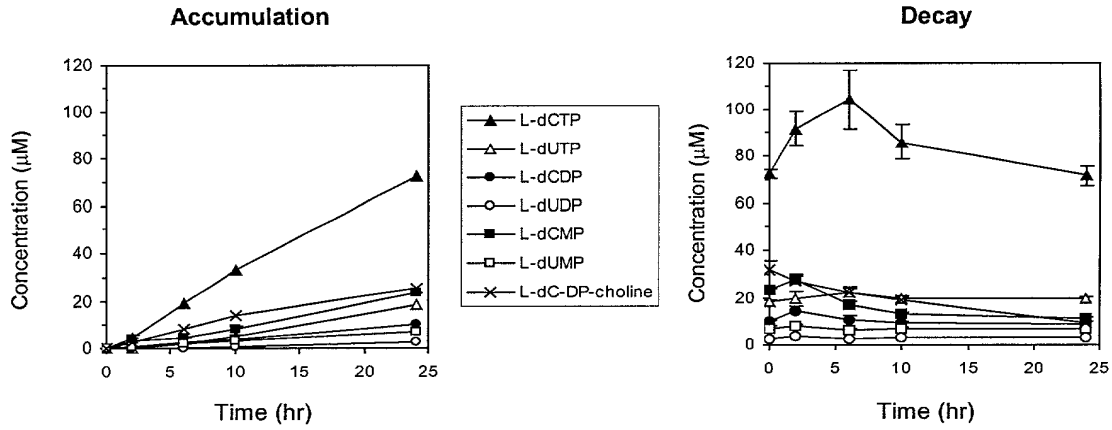

Figure 14 Intracellular Metabolism of L-dC in HepG2 Cells

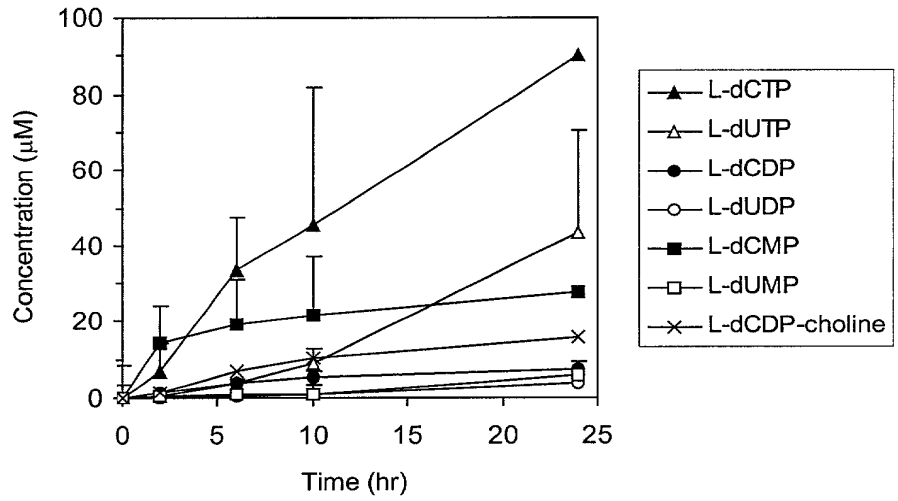

Figure 15 Intracellular Metabolism of L-dC in Primary Human Hepatocytes

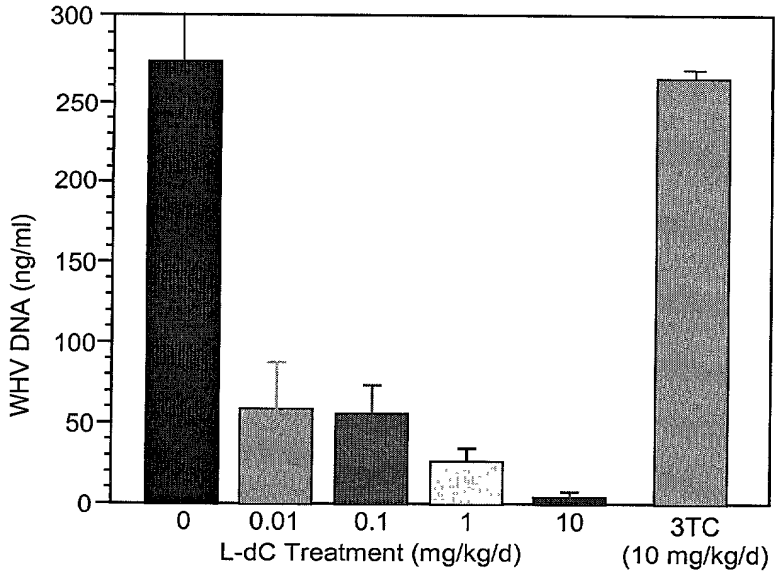

Figure 16 Antiviral Dose Response of L-dC in the Woodchuck Model

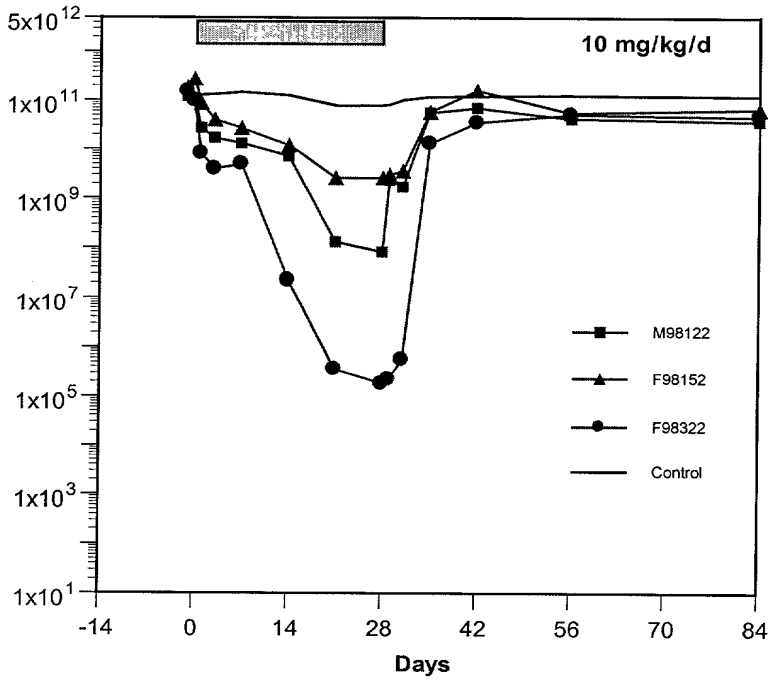

Figure 17 Antiviral Activity of L-dC in the Woodchuck Model

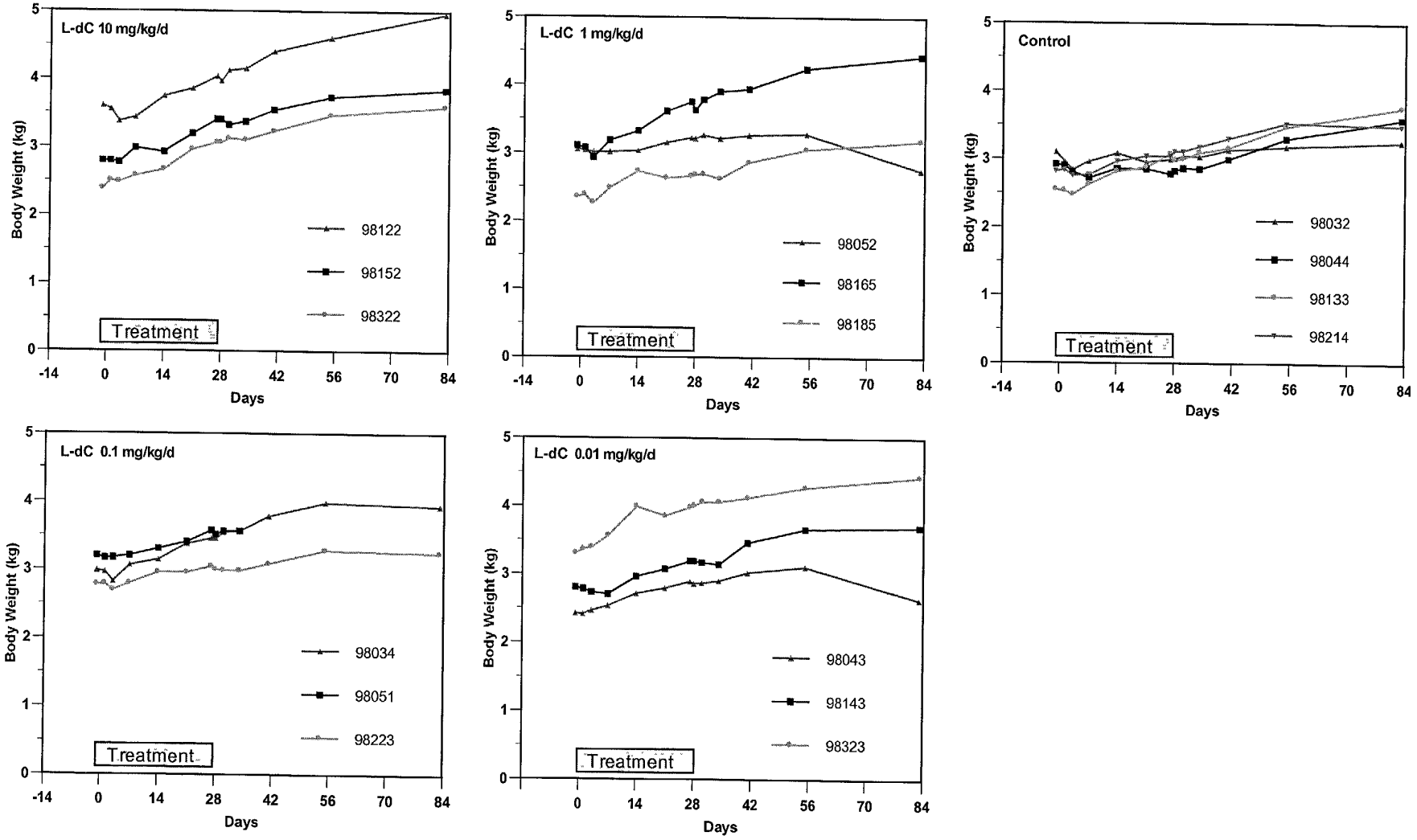

Figure 18 Body Weights of Woodchucks Orally Treated with L-dC – 28 Days

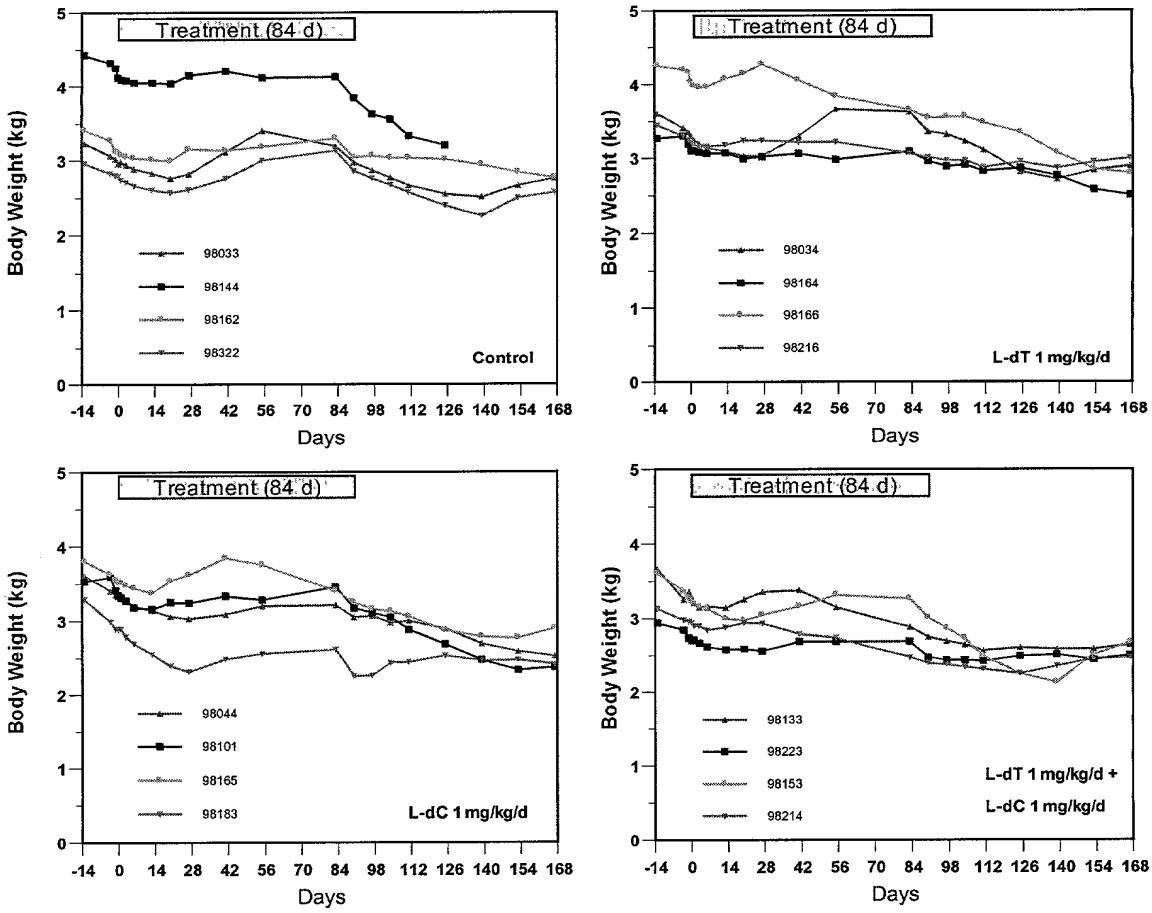

Figure 19 Body Weights of Woodchucks Orally Treated with L-dC – 12 Weeks